

gaattcatctgtcgactgtaccacgggaggtccccggagaaggatcctgcagccccgagt	60
cccgaggataaagcttggggtcatcctccttccttgatcactccacagtcctcaggct	120
tccccaatccaggggactcggcgggacgctgtatggacgacatttttcaactcagtgct	180
CGGAGGGCAACGAGTCGCCGTTCCGCTGTGGCTGGACAACACGGAGAACGACCTCAAC	8
R E G N A V A V R L W L D N T E N D L N	240
CAGGGGACGATCATGGCTTCTCCCCCTTGCACTGGGCCCTGCCGAGAGGCCGCTCTGCT	28
Q G D D H G F S P L H W A C R E G R S A	300
GTGGTTGAGATGTTGATCATGCGGGGCGACGGATCAATGTAATGAACCGTGGGGATGAC	48
V V E M L I M R G A R I N V M N R G D D	360
ACCCCCCTGCATCTGGCAGCCAGTCATGGACACCCGTGATATTGTACAGAAGCTATTGCAG	68
T P L H L A A S H G H R D I V Q K L L Q	420
TACAAGGCAGACATCAATGCAGTGAATGAACACGGGAATGTGCCCCCTGCACCTATGCCCTGT	88
Y K A D I N A V N E H G N V P L H Y A C	480
TTTTTGGGGCCAAGATCAAGTGGCAGAGGACCTGGTGGCAAAATGGGGCCCTTGTTCAGCATC	108
F W G Q D Q V A E D L V A N G A L V S I	540
TGTAACAAGTATGGAGAGATGCCCTGTGGACAAAGCCAGGCCACCCCTGAGAGAGCTTCTC	128
	600

Fig. 1a (continued on page 2/23)

C N K Y G E M P V D K A K A P L R E L L 148
 CGAGAGCGGCAGAGAAGATGGGCCAGAACTCAACCGTATTCACATACAGGACACATTC 660
 R E R A E K M G Q N L N R I P Y K D T F 168
 .TGGAAGGGACACCCGCACTCGGCCCGAAATGGAACCCCTGAACAACACTCTGGCAT 720
 W K G T T R T R P R N G T L N K H S G I 188
 GACTTCAACAGCTTAACCTTCTGACGAGCTCAACGAGAACTCACTCTGGAGAGCTATGG 780
 D F K Q L N F L T K L N E N H S G E L W 208
 AAGGCCGCTGGCAGGCAATGACATTTGTCGTGAAGGTGCTGAAGGTTCCGAGACTGGAGT 840
 K G R W Q G N D I V V K V L K V R D W S 228
 ACAAGGAAGACAGGACTTCAATGAAGAGTGTCCCGCTCAGGATTTTCTCGCATCCA 900
 T R K S R D F N E E C P R L R I F S H P 248
 AATGTGCTCCAGTGTAGGTGCTGCCAGTCTCCACCTGCTCCTCACTCTCTCATC 960
 N V L P V L G A C Q S P P A P H P T L I 268
 ACACACTGGATGCCGTATGGATCCCTCTACAATGTACTACATGAAGGCACCAATTTCGTC 1020
 T H W M P Y G S L Y N V L H E G T N F V 288
 GTGGACCAGAGCCAGGCTGTGAAGTTTGCTTTGGACATGGCAAGGGCATGGCCTTCCTA 1080
 V D Q S Q A V K F A L D M A R G M A F L 308
 CACACACTAGAGCCCTCATCCACGACATGCACTCAATAGCCGTAGTGAATGATGAT 1140
 H T L E P L I P R H A L N S R S V M I D 328

GAGGACATGACTGCCCGAATTAGCATGGCTGATGTCAAGTTCTCTTCCAATGTCCTGGT	1200
E D M T A R I S M A D V K F S F Q C P G	348
CGCATGTATGCACCTGCCCTGGGTAGCCCCCGAAGCTCTGCAGAAGCCCTGAAGACACA	1260
R M Y A P A W V A P E A L Q K K P E D T	368
AACAGACGCTCAGCAGACATGTGGAGTTTTCAGTGTCTTCTGTGGGAACCTGGTGACACGG	1320
N R R S A D M W S F A V L L W E L V T R	388
GAGGTACCCCTTGTGCTGACCTCTCCAATATGGAGATTGGAATGAAGGTGGCATTTGGAAGGC	1380
E V P F A D L S N M E I G M K V A L E G	408
CTTCGGCCTACCATCCCACCAGGTATTTCCTCTCATGTGTGTAAAGCTCATGAAGATCTGC	1440
L R P T I P P G I S P H V C K L M K I C	428
ATGAATGAAGACCCCTGCAAGCGACCCCAAATTTGACATGATTGTGCCTATCCTTGAGAAG	1500
M N E D P A K R P K F D M I V P I L E K	448
ATGCAGGACAAGtaggactggaaggctccttgccctgaaactccagagggtgtcgggacatggt	1560
M Q D K *	
tgggggaatgcacctccccaaagcagcaggcctctggttgctccccgcctccagtcac	1620
ggtactaccagcctggggtccatcccttccccatccctaccactgtgcgcaagagg	1680
ggcgggctcagagctttgtcacttgccacatggtgtctcccaacatgggagggtcagcc	1740
ccgcctgtcacaataaagtttatgaaaaaaaaaaaaaaaaaaa	1789

		I		II	
Csk		.NMKELKLLQ	TIGKGEFGDV	MLGDYRGN.K	VAVKCIKND
Yes		IPRESLRLEV	KLQGGCFGEV	WMGTWNGTTK	VAIKTLKPGT
Ctrl		IPWCDLNIKE	KIGAGSFGTV	HRAEWHGS.D	VAVKILMEQD
B-raf		IPDGQITVGQ	RIGSGSFGTV	YKKGWHG..D	VAVKMLNVTA
Ilk		IDFKQLNFLT	KLNENHSGEL	WKGRWQGN.D	IVVKVLDKVR
		III		IV	
Csk		LAEASVMTQ	LRHSNLVQLL	GVIVVEE.KGG	LYIVTEYMAK
Yes		..EAQIMKK	LRHDKLVPLY	AVVSEE...P	IYIVTEFMTK
Ctrl		LREVAIMKR	LRHPNIVLFM	CAVTQPP..N	LSIVTEYLSR
B-raf		KNEVGVLRK	TRHVNILLFM	GYSTKP...Q	LAIVTQWCEG
Ilk		NEECPRRLI	FSHPNVLPVL	GACQSPAPH	PTLITHWMPY
				V	
Csk					GSLVDYLRSR
Yes					GSLDDEFLEK
Ctrl					GSLYRLLHKS
B-raf					SSLYHHLHII
Ilk					GSLYNVLHE.
				VIa	
Csk		GRSV.LGGDC	LLKFSLDVCE	AMEYLEGN..	NFVHRDLAA
Yes		EGKF.LKLPQ	LVDMAAQIAD	GMAIYERM..	NYIHRDLRA
Ctrl		GAREQLDERR	RLSMAYDVAK	GMNYLH.NRN	PPIVHRDLKS
B-raf		ETKFEMI..K	LIDIAHQTAQ	GMDYLHAK..	.SIIHRDLKS
Ilk		GTNFVVDQSQ	AVKFALDMAR	GMAFLH.TLE	PLIPRHALNS
				Vib	
Csk					RNVLVS.E
Yes					ANILVG.D
Ctrl					PNLLV.DK
B-raf					NNIFLH.E
Ilk					RSVMI.DE

235

283

329

Fig. 1b (continued on page 5/23)

VII

Csk	DNVAKVSDFG	LTK.....EA	SSTQDTGKLP	VKWTAP E ALR	...EKKFSTK
Yes	NLVCKIADFG	LARLIED.NE	YTARQGA K FP	IKWTAP E AAL	...YGRFTIK
Ctrl	KYTVKVCDFG	LSRLKAS.TF	LSSKSAAGTP	.EWMAPEVLR	...DEPSNEK
B-raf	DLTVKIGDFG	LATVKS R WSG	SHQFEQLSGS	ILWMAPEVIR	MQDKNPYSFQ
Ilk	DMTARIS...	MADV K SFQC	PGRM.YA..P	.AWVAPEALQ	KKPEDTNRSS

372

IX

Csk	SDVWSFGILL	WEIYSFGRVP	YPRIP L KD.V	VPRVEKGY..	KMDAPDGCPP
Yes	SDVWSFGILL	TELVT K GRVP	YPGMVNRE.V	LEQVERGY..	RMPCPQGCPE
Ctrl	SDVYSFGVIL	WELAT.LQQP	WGNL.NPAQV	VAAVGFKCK.	RLEIPRNLNP
B-raf	SDVYAFGIVL	YELMT.GQLP	YSNINN R DQI	IFMVGRGYLS	PDLSKVR SNC
Ilk	ADMWSFAVLL	WELVTR.EVP	FADLSNMEIG	MK.VALEGL.	R.TIPPGISP

418

X

XI

Csk	AVYEV M KN	CWHLDAAMRP	SFLQLREQLE	HIKTHEL
Yes	SLHELMKL	CWKKDPDERP	TFEYIQSFLE
Ctrl	QVAAIIEG	CWTNEPWKRP	SFATIMDLLR	PL.....
B-raf	PKAMKRLMAECL	KKKKRDERP	LFPQILASIE	LLARSLP
Ilk	HVCKLMKI	CMNEDPAKRP	KFDMIVPILE	KMQDK..

451

Fig. 1b

ANKYRIN	-G-TPLH-AA--GH---V--LL--GA--N----
CONSENSUS	A D
ANK1	³³ HGFSPLHWACREGRSAVVEMLIIMRGARINVMNR
ANK2	GDDTPLHLAASHGHRDIVQKLLQYKADINAVNE
ANK3	HGNVPLHYACFWGQDQVAEDLVANGALVSI CNK
ANK4	YGEMPVDKAKAPLRELLRERAEKMGQNLNRI PY ¹⁶⁴

Fig. 1c

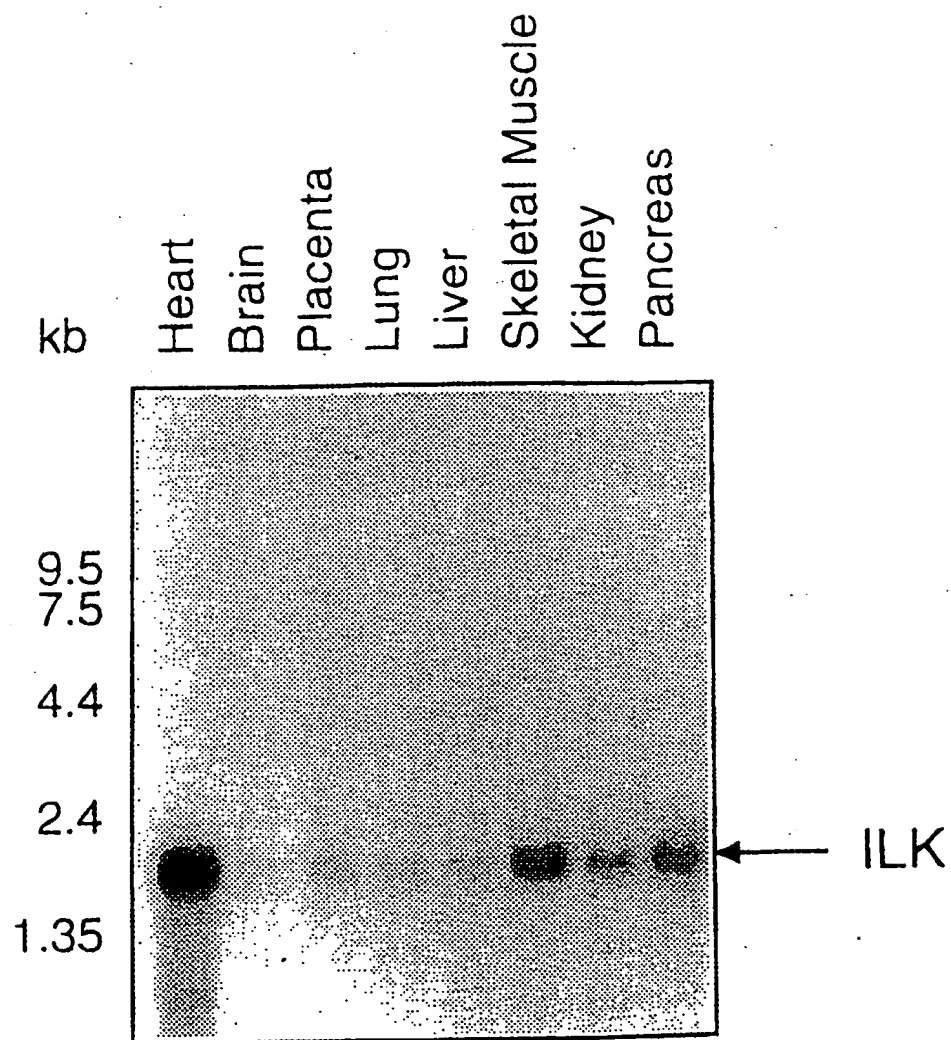


Fig. 1d

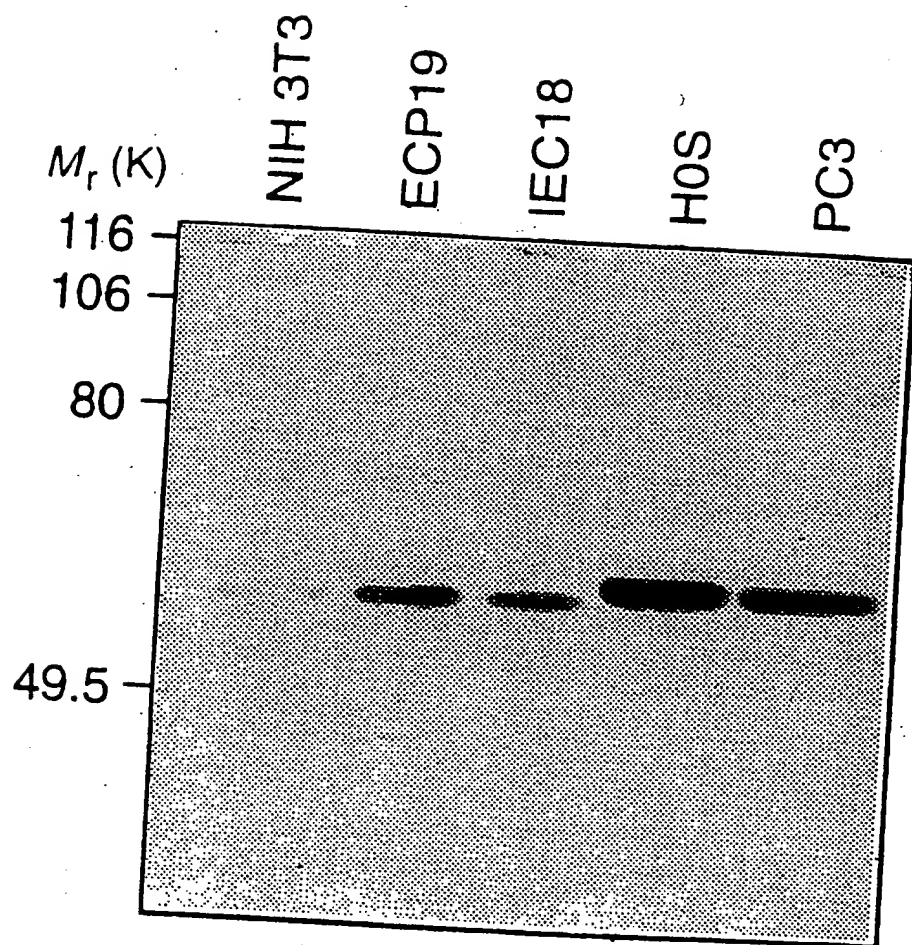


Fig. 1e

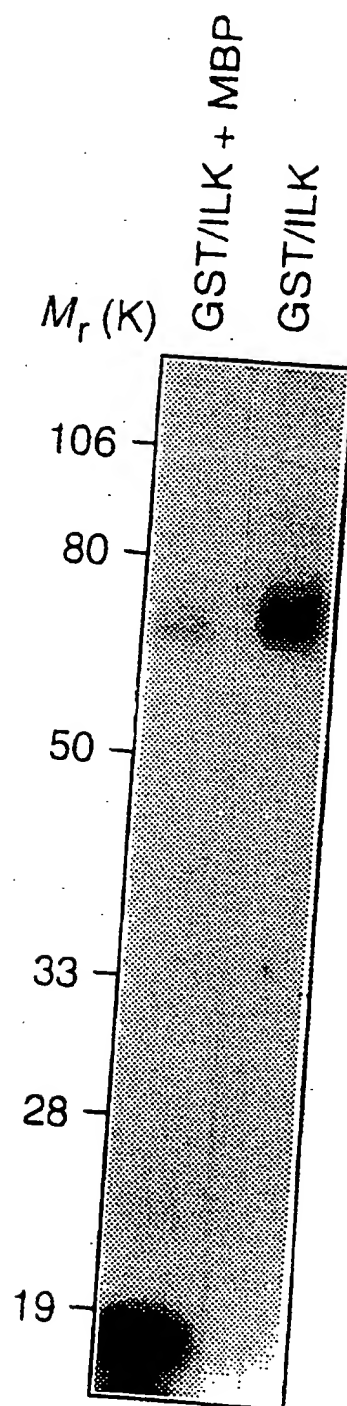


Fig. 2a

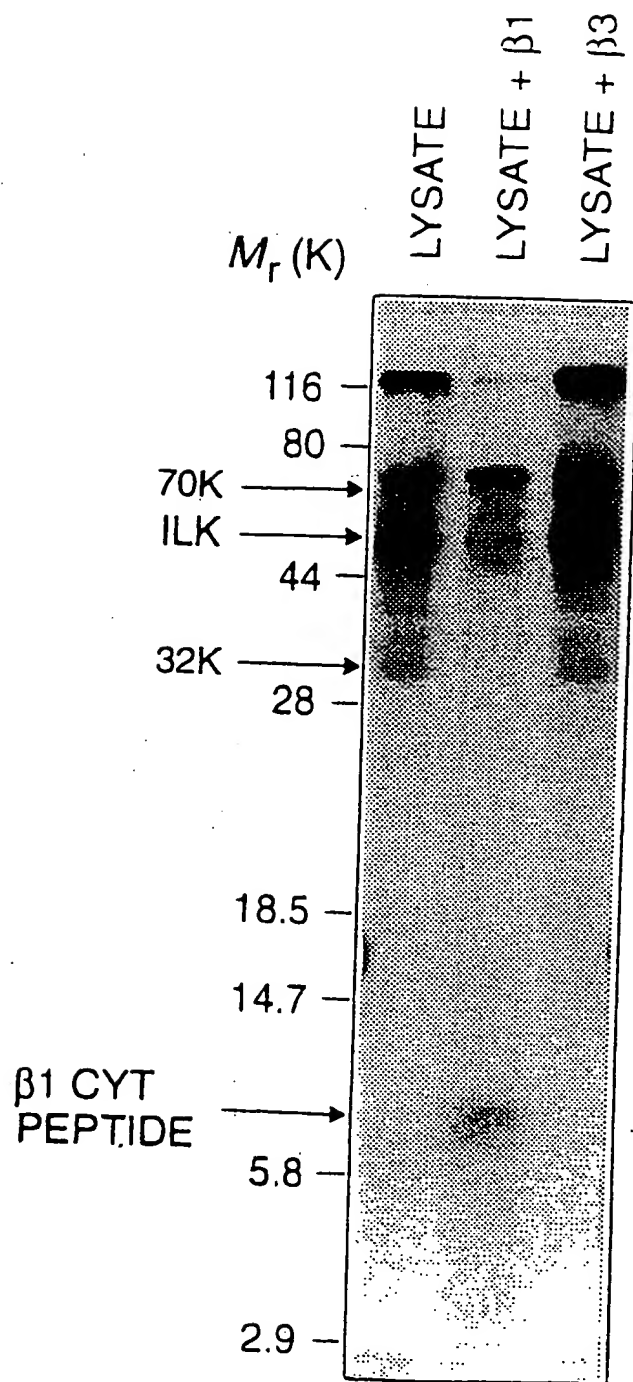


Fig. 2b

102240-40404860

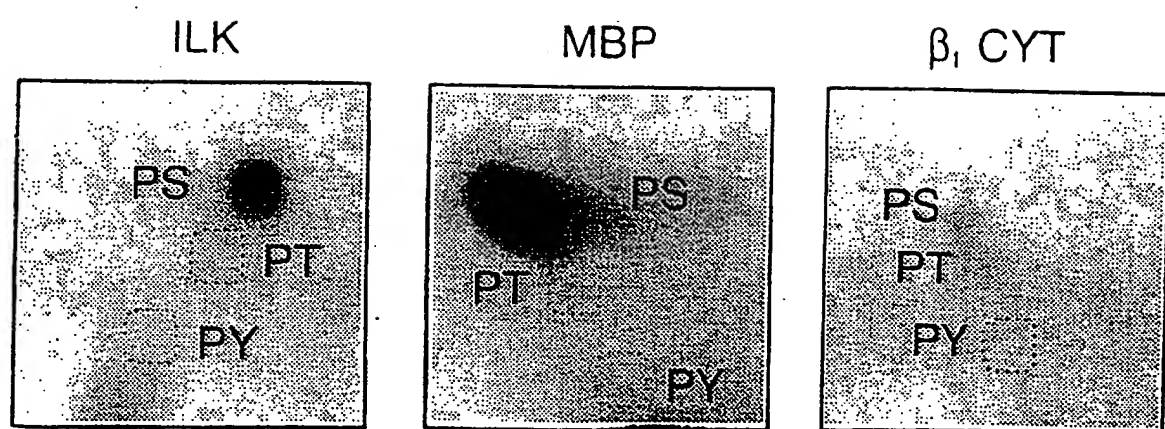


Fig. 2c

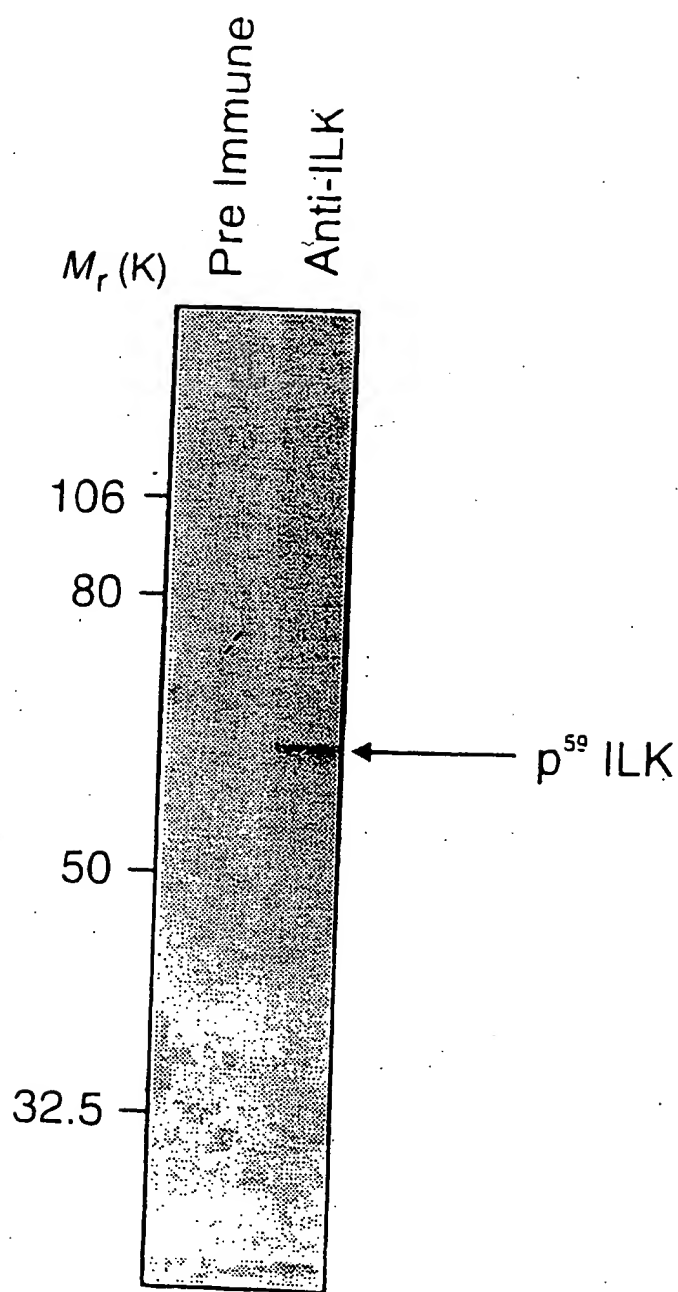


Fig. 3a

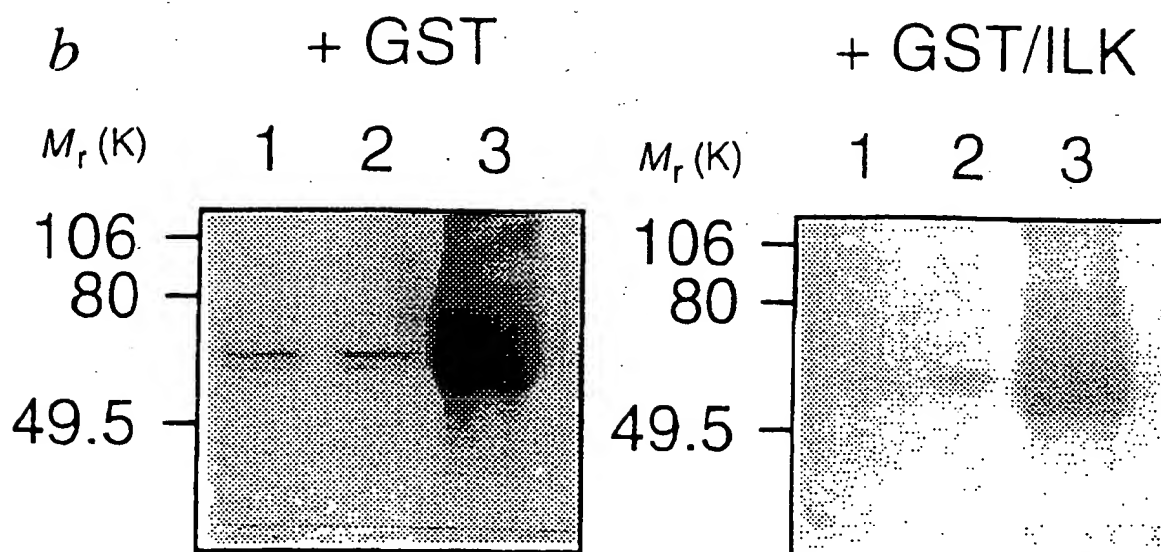


Fig. 3b

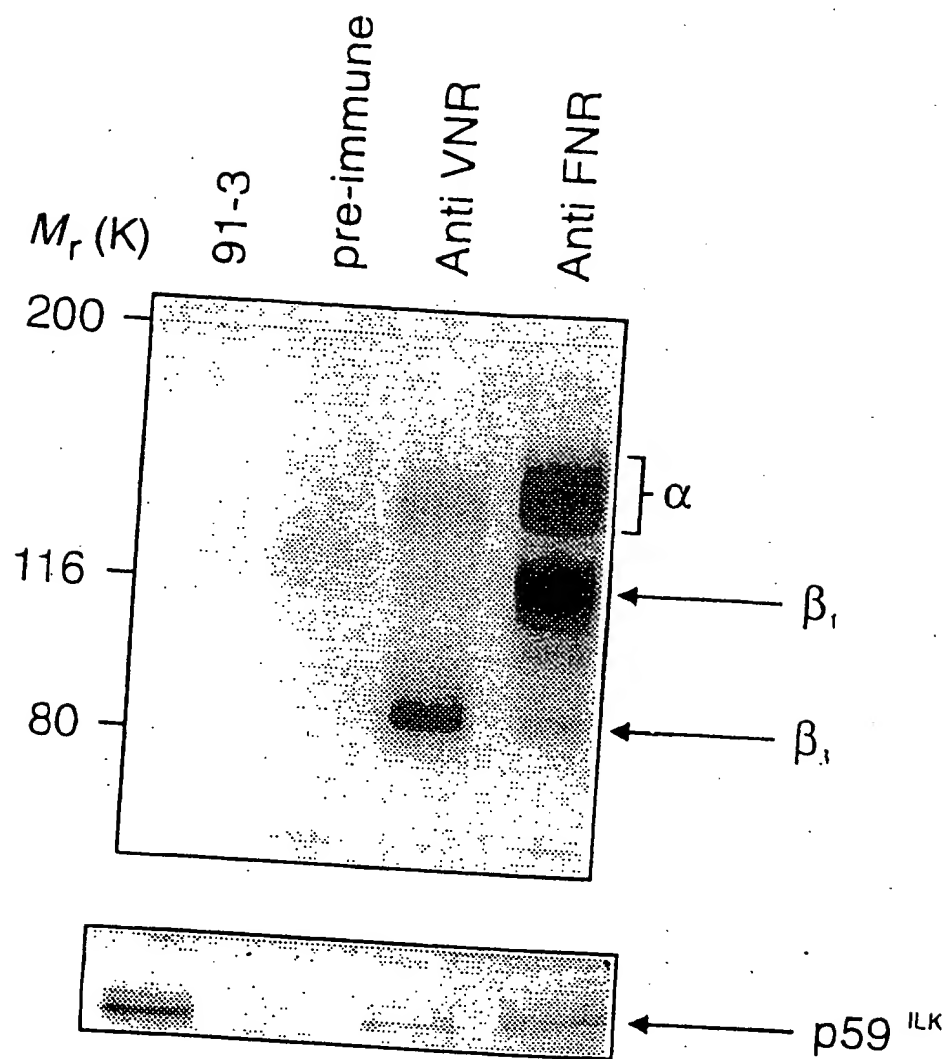


Fig. 3c

Immunoprecipitation: anti $\beta 1$ monoclonal antibodies
 Immunoblot: anti-ILK adsorbed anti-ILK

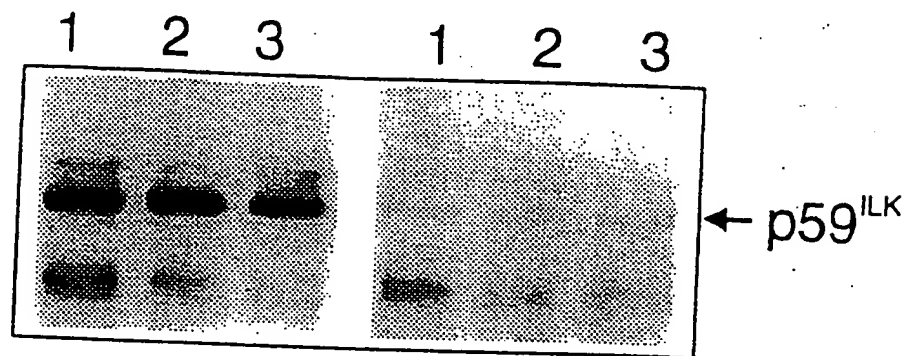


Fig. 3d

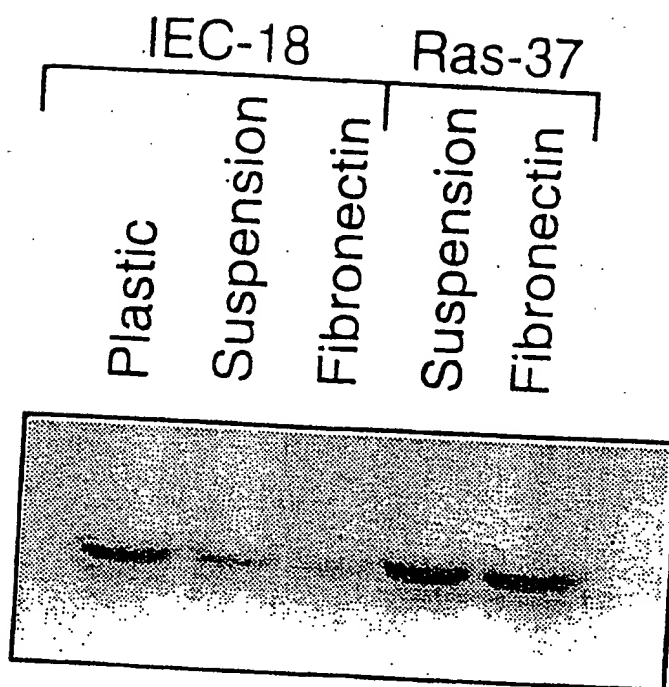


Fig. 4a

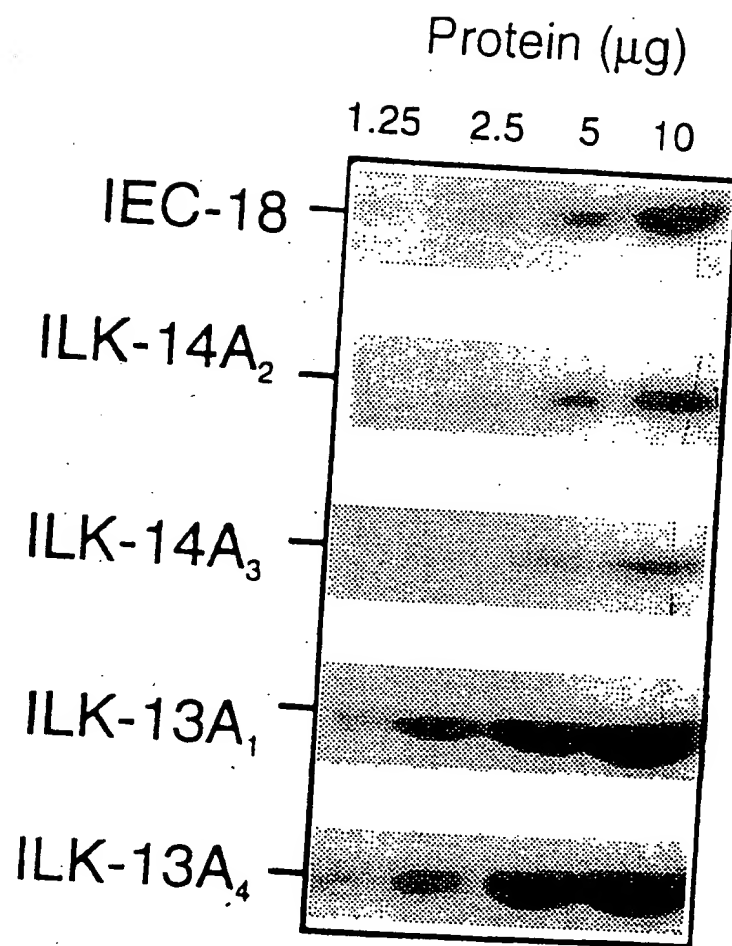


Fig. 4b

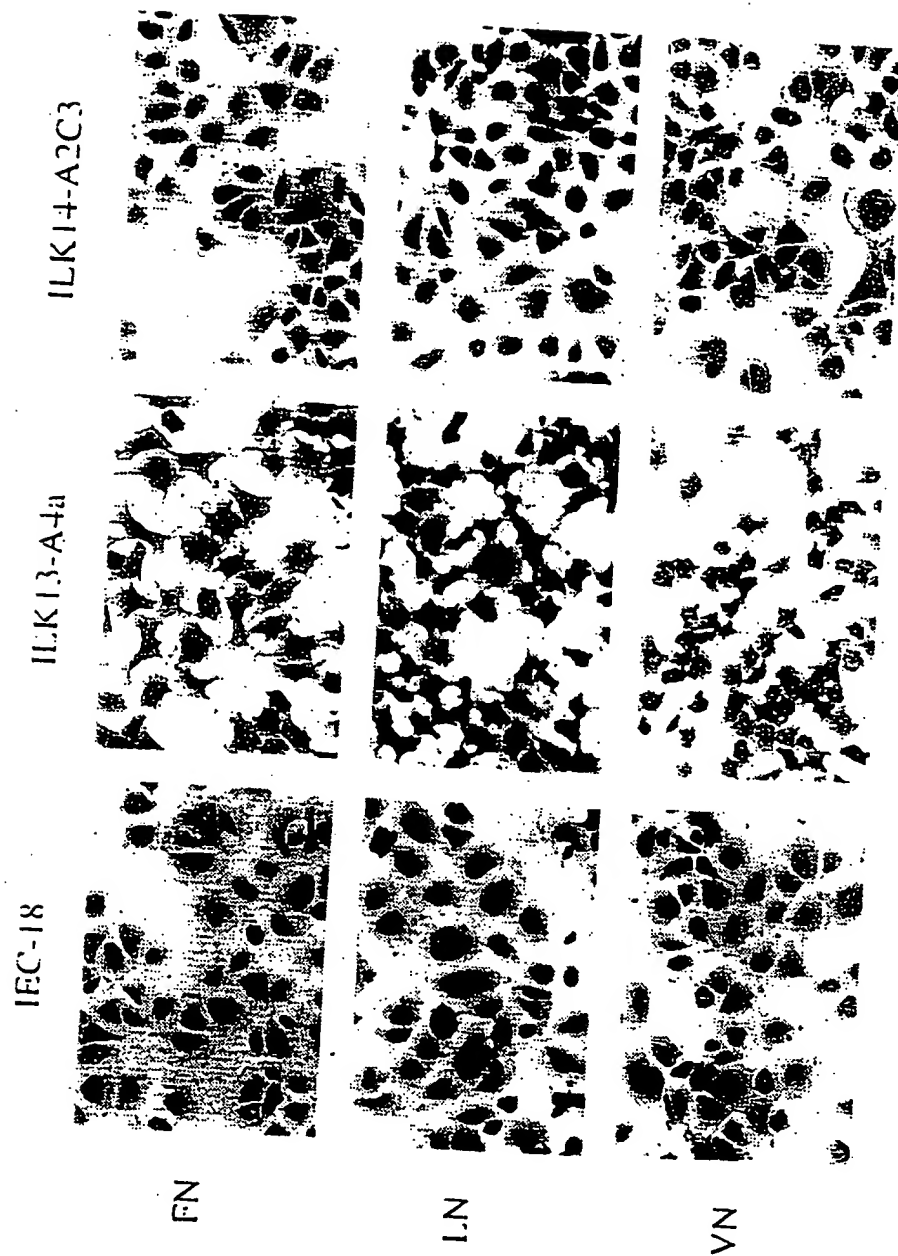


Fig. 4c

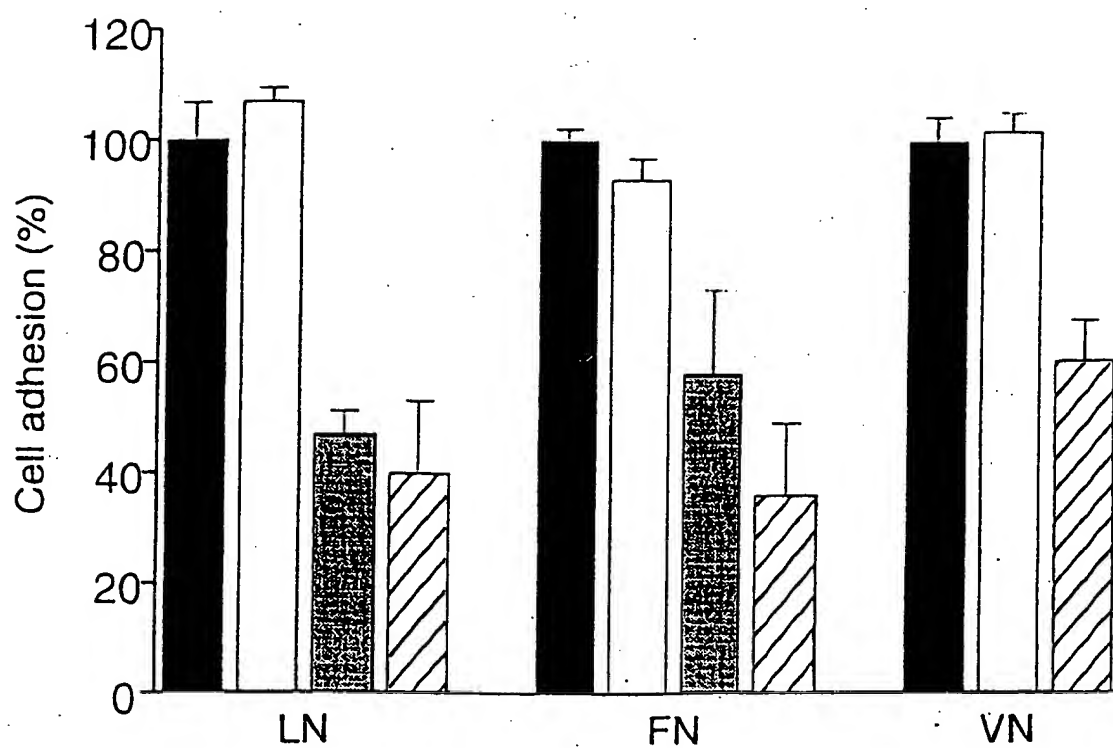


Fig. 4d

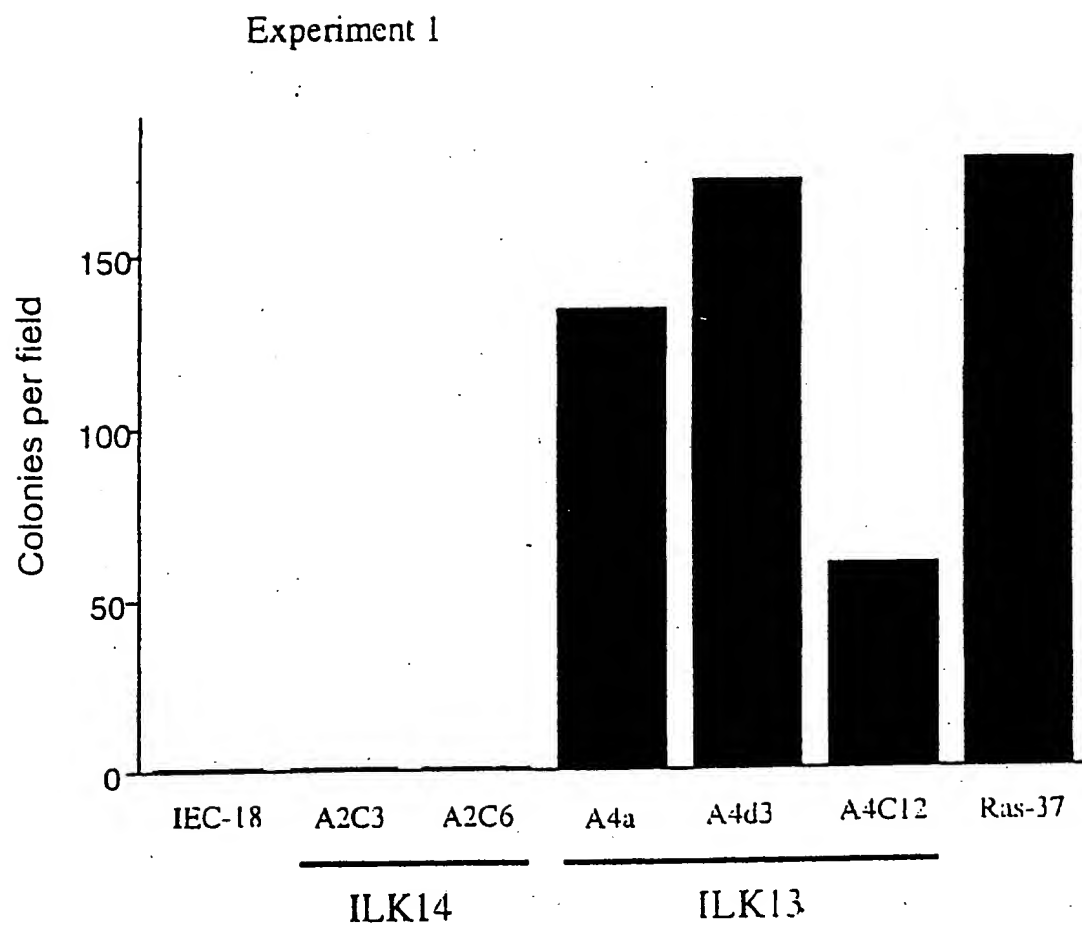


Fig. 4e (continued on page 21/23)

Downloaded from www.sagepub.com at 10/20/13

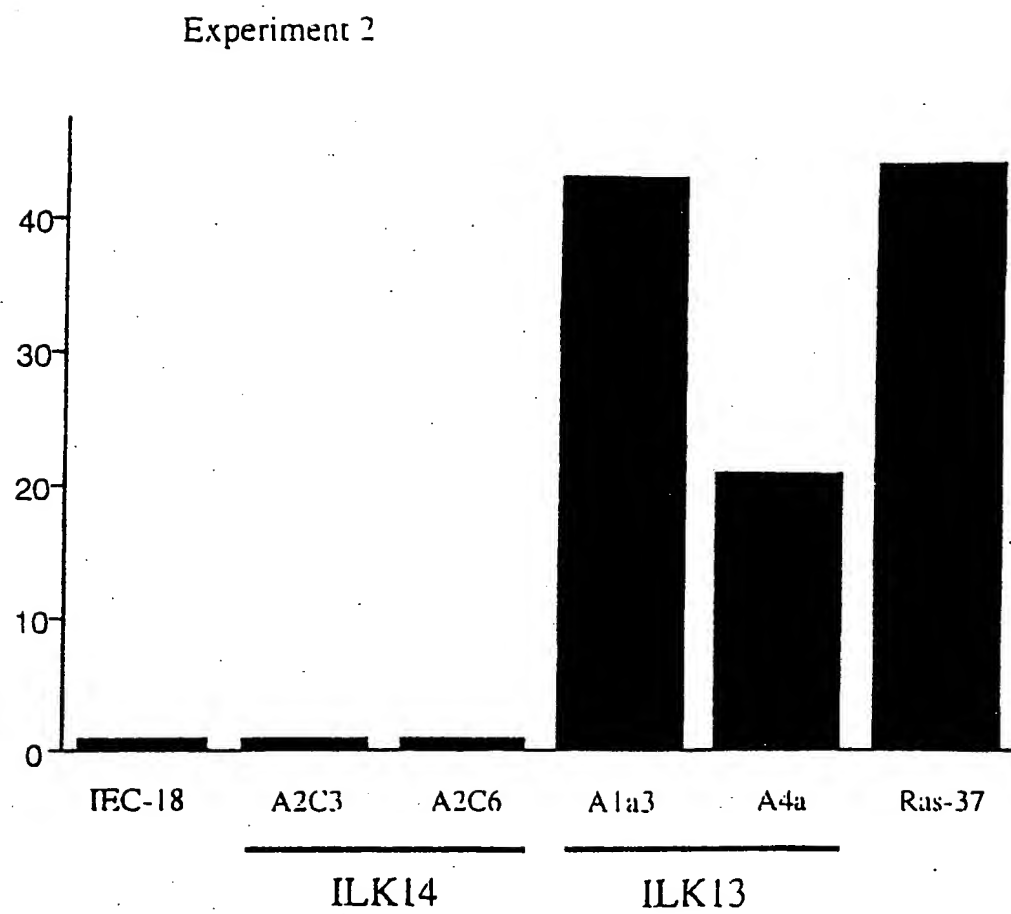


Fig. 4e

FOE2HO" 10204860

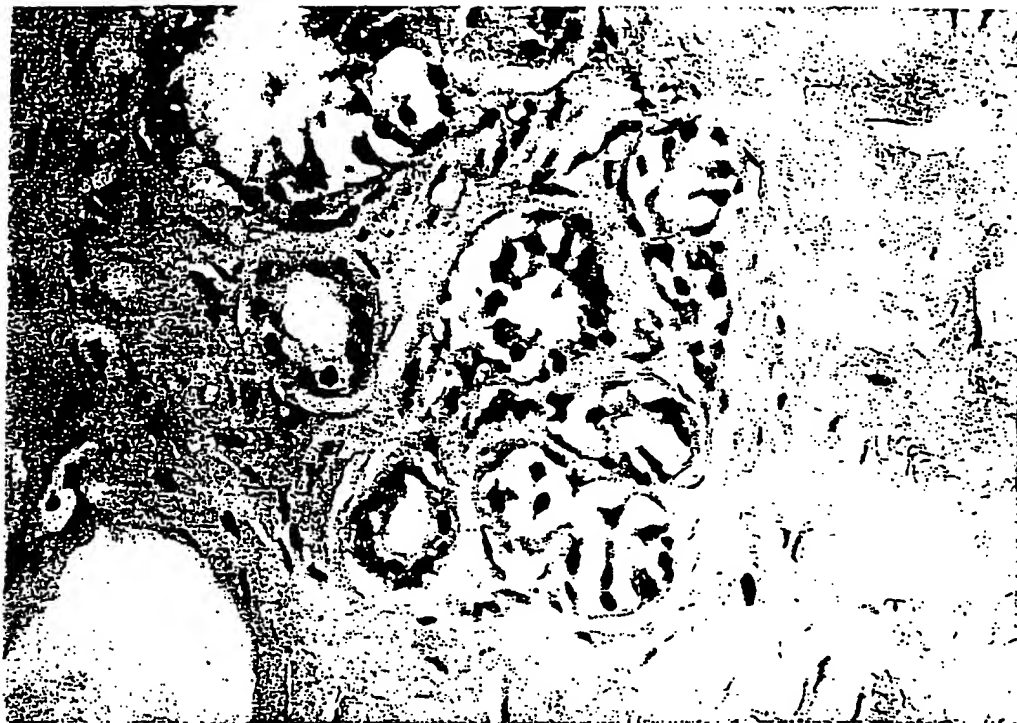


Fig. 5a



Fig. 5b

FOE2HO" 40204860



Fig. 5c

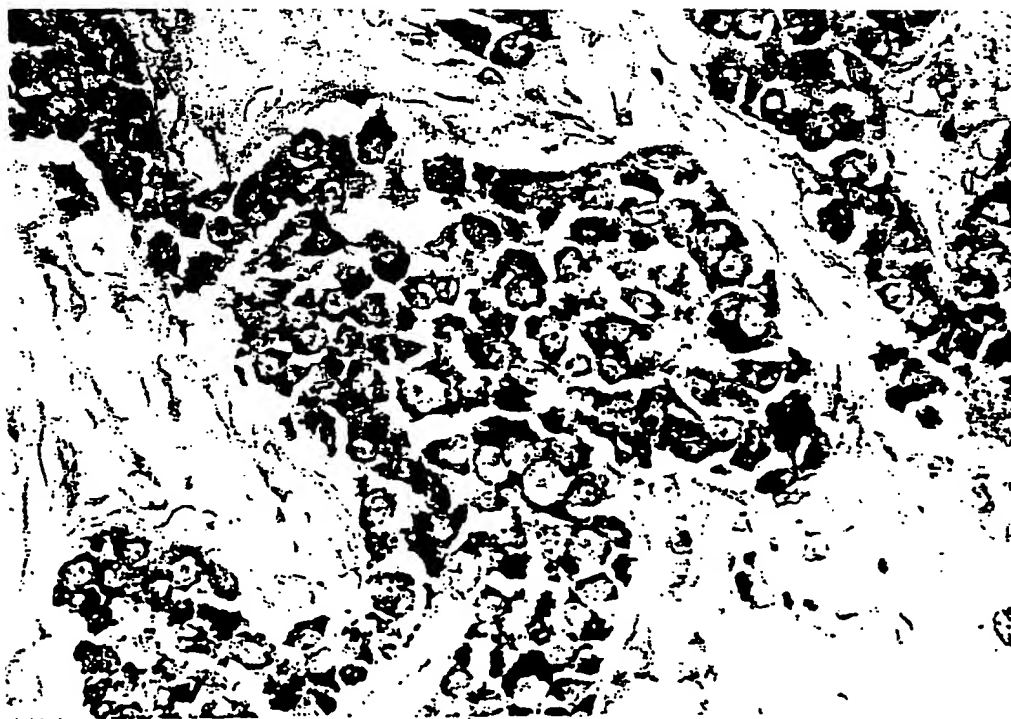


Fig. 5d